

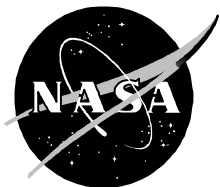
# **VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM**

Software Release

8.1.2

PrISMS Contract

06/18/01



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, Alabama 35812



**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.1.2**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

June 18, 2001



**VERSION DESCRIPTION DOCUMENT  
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SOFTWARE RELEASE 8.1.2**

Approved by

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, AL

June 18, 2001



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## **1. INTRODUCTION**

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

### **1.1 IDENTIFICATION OF THE RELEASE**

System Name – NPPS

Release Number – Software Release 8.1.2

Release Effective Date – July 05, 2001

The release datasets will be made available to the support Database Administrator (DBA) for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

### **1.2 PURPOSE OF THE RELEASE**

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

### **1.3 SCOPE OF THE RELEASE**

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 8.1.2, including the following:

- Changes implemented since the last release
- References to other documents affected by this release
- Changes to application files and data formats
- Detailed software installation procedures
- Validation procedures to ensure the reliability of the software changes.

## **1.4 CONTACT POINTS**

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

Telephone: (256) 544-5516

E-Mail: [billy.graham@msfc.nasa.gov](mailto:billy.graham@msfc.nasa.gov)

FAX: (256) 544-1836

## **2. FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Predict changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

Not Applicable

### **2.3 CRITICAL ISSUES**

Not Applicable

### **2.4 AFFECTED DOCUMENTS**

Not Applicable

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

Not Applicable



### **3. TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

Not Applicable

#### **3.2 DATA DICTIONARY CHANGES**

Not applicable

#### **3.3 SOFTWARE OBJECT CHANGES**

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

#### **3.4 DATABASE ADMINISTRATION**

The specific database administration activities for NPPS 8.1.2 are detailed in Appendix D, Installation Instructions.

##### **3.4.1 Release Dataset Names**

The datasets for Software Release 8.1.2 are included in the Introduction of Appendix D, Installation Instructions.

##### **3.4.2 Inventory of Objects**

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

##### **3.4.3 Storage Considerations**

Not Applicable

##### **3. 4.4 Installation Procedures**

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

### **3.5 OPERATIONAL PREPARATION**

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

## **APPENDIX A**

### **ABBREVIATIONS AND ACRONYMS**





## **ABBREVIATIONS AND ACRONYMS**

ADP	Automated Data Processing
DBA	Database Administrator
HR	Human Resources
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NPPS	NASA Personnel/Payroll System
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document



## **APPENDIX B**

### **GLOSSARY**



## **GLOSSARY**

### **Consolidation Center**

Responsibility for processing and balancing payroll for all centers in the consolidated database.

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of an application release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with an application.



**APPENDIX C**  
**FUNCTIONAL CHANGE VALIDATION**  
**PROCEDURES**





## VALIDATION PROCEDURES SOFTWARE RELEASE 8.1.2 PERSONNEL & PAYROLL

### 1. 20010048

- A. **Purpose:** To modify an error message in TSP when the input “pay date” is invalid.
- B. **Test Procedure:** Add a TSP Adjustment (16, 26, or 46) via screen TSPADJ, entering an invalid EFF PAY DATE.
- C. **Validation:** Verify the TSPADJ screen returns the message, \*\*\*EFF PAY DATE MUST BE A VALID PAY DATE.

### 2. 20010049

- A. **Purpose:** To modify TSP Adjustment processing to require both a valid Effective TSP Pay Date and a valid Adjustment Amount.
- B. **Test Procedure 1:** “Add” a TSP Adjustment (any type) via screen TSPADJ, leaving EFF PAY DATE blank.
- C. **Validation 1:** Verify the TSPADJ screen returns the message, \*\*\*EFF PAY DATE MUST BE ENTERED.
- D. **Test Procedure 2:** “Add” a TSP Adjustment (any type) via screen TSPADJ, entering no ADJ AMT.
- E. **Validation 2:** Verify the TSPADJ screen returns the message, \*\*\*AT LEAST ONE ADJUSTMENT AMOUNT MUST BE ENTERED.
- F. **Test Procedure 3:** “Suspend” a TSP Adjustment (any type) via screen TSPADJ, leaving EFF PAY DATE blank.
- G. **Validation 3:** Verify the TSPADJ screen returns the message, \*\*\*EFF PAY DATE MUST BE ENTERED.
- H. **Test Procedure 4:** “Suspend” a TSP Adjustment (any type) via screen TSPADJ, entering no ADJ AMT.
- I. **Validation 4:** Verify the TSPADJ screen returns the message, \*\*\*AT LEAST ONE ADJUSTMENT AMOUNT MUST BE ENTERED.

### 3. 20010050

- A. **Purpose:** To modify TSP Adjustment processing to prevent an “add” and “suspend” of the same adjustment in the same pay period.
- B. **Test Procedure:**
  - 1) “Add” a TSP Adjustment (Type 16) via screen TSPADJ.
  - 2) “Suspend” an identical TSP Adjustment (Type 16) via screen TSPADJ.

- C. **Validation:** Verify the TSPADJ screen returns the message,  
\*\*\*DUPLICATION NOT ALLOWED FOR 'A' OR 'S' FUNC – 1 DATE PER  
ADJ TYPE ONLY.

4. **20010053**

- A. **Purpose:** To modify TSP processing prevent the entry of fractional percentages and dollars in TSP Percent and TSP Amt, respectively.
- B. **Test Procedure 1:** Change a TSP employee contribution (deduction) percentage to 2.25 (%).
- C. **Validation 1:** Verify the TSP screen returns the message,  
\*\*\*CONTRIBUTION MUST BE EITHER A WHOLE PERCENTAGE OR A  
WHOLE DOLLAR AMOUNT.
- D. **Test Procedure 2:** Change a TSP employee contribution (deduction) dollar amount to 2.25 (\$).
- E. **Validation 2:** Verify the TSP screen returns the message,  
\*\*\*CONTRIBUTION MUST BE EITHER A WHOLE PERCENTAGE OR A  
WHOLE DOLLAR AMOUNT.

5. **20010067**

- A. **Purpose:** To modify TSP processing to include multiple TSP Adjustment Type 16 records in a single pay cycle.
- B. **Test Procedure:**
  - 1) Add multiple Type 16 TSP Adjustments (up to 26) for a single employee, entering a different, but valid TSP "Pay Date" for each.
  - 2) Schedule / run the 314 TSP Extract (batch job NA314TP).
- C. **Validation:** Verify the 314 TSP Tape Listing and the 314 TSP "extract" reflect the multiple Type 16 TSP Adjustment in the appropriate amounts for the appropriate Pay Periods.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.1.2  
JUNE 2001**

The purpose of this release is to implement the changes allocated to software release 8.1.2 described below.

**SOFTWARE RELEASE 8.1.2**

RC 1620s IMPLEMENTED

20010048	Change 3-Star Message in TSPADJ
20010049	Suspense of TSPADJ needs Edits
20010050	Duplicate Adjustments Allowed Through TSPADJ
20010053	TSP Contributions Should be Whole Percent or Dollars

**\*\*\*\*\* RECORD COUNT = 04**

DR 1620s IMPLEMENTED

20010067	TSP – Multiple 16 Adjustments
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**\*\*\*\*\* RECORD COUNT = 01**



## **APPENDIX D**

### **INSTALLATION INSTRUCTIONS**



**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.1.2  
June 2001**

## **Introduction**

Release Date – June 18, 2001

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.NPPS.PROD.R812.R0601.SRC
- MSMOV.NPPS.PROD.R812.R0601.DOC

Physical media:  
VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPPS):

Telephone: (256) 544-5516  
E-Mail: billy.graham@msfc.nasa.gov  
Fax: (256) 544-1836

## **Installation Sequence**

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJX/Xerox Modifications
- 9.0 Special Instructions
- 10.0 Installation Checklist

## 1.0 BACKUP EXISTING DATA

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

## 2.0 COPY SOURCE/OBJECT CODE

### 2.1 Copy Source Modules

When installing software release 8.1.2, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R812.R0601.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

#### Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	0
Maps	1
Helproutines	1
Subroutines	2
Subprograms	0
Programs	7
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	11
Total Views Unloaded	0
Total Objects Read	11
Total Object Unloaded	11



## **2.2 List of Source Code Modifications**

The following is a list of all modules that were modified for the software release 8.1.2.

<b>Module</b>	<b>Description</b>
NAB314EX	TSP Extract
NAB406A	SF1166 Voucher and Schedule
NAH0002	Payroll Field Level Help
NAM1237	Thrift Savings Plan Screen
NAO1237	Thrift Savings Plan
NAO1261	TSP Adjustments
NAO1261B	TSP Adjustments
NAO1261C	TSP Adjustments
NAO3130B	Leave Accounting
NAO3150F	Official Pay Record – Net Pay
NAO4910	Display SF1166

RELEASE PROGRAMS (MOD) ==> 11

## **3.0 PRE-PREDICT DATA CONVERSION**

Not Applicable

## **4.0 INSTALL PREDICT**

### **4.1 Data Dictionary Changes**

Not Applicable

#### **4.1.1 Inventory of Objects**

Not Applicable

#### **4.1.2 Storage Considerations**

The changes represented by this release should not affect storage requirements.

#### **4.1.3 Physical File Changes**

Not Applicable

## **5.0 INSTALL DATA GLOSSARY**

Not Applicable

## **6.0 CATALOG SOURCE CODES**

When installing software release 8.1.2, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

## **7.0 POST-PREDICT DATA CONVERSION**

Not Applicable

## **8.0 JCL/BJS/Xerox MODIFICATIONS**

Not Applicable

## **9.0 SPECIAL INSTRUCTIONS**

### **9.1 Update NPPS Release Number**

The following processes will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 8.1.2, enter "8.1.2" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

## **10.0 INSTALLATION CHECKLIST**

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 6.0 Catalog Source Code
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions